

Anti-OCT-3/4 Rabbit pAb



WL01728

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-OCT-3/4 Rabbit pAb		
Source	Rabbit		
Species reactivity	Human, Mouse, Rat		
Tested applications	WB	1:1000-1:2000	
	IHC	1:150-1:300	
Cellular localization	Membrane.Nucleus		
Pack size	50/100/200/500/1000µl		
Storage	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>		
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml		
	BSA, 50% glycerol and less than 0.02% sodium azide		

General Information

Background	POU5F1 (POU domain, class 5, transcription factor 1), also known as octamer-binding transcription factor-3 (Oct-3, Otf-3), octamer-binding transcription factor-4 (Oct-4, Otf-4) and Oct-3/4, modulates embryonic stem (ES) cell populations by influencing lineage commitment. This gene encodes a transcription factor containing a POU homeodomain that plays a key role in embryonic development and stem cell pluripotency. Oct-3/4 sustains stem-cell self-renewal and differentiation pathways. Oct-3/4 is capable of inducing rapid proliferation and tumorigenic properties of ES cells through activation of the UTF1 gene. In humans, two Oct-3/4 isoforms contribute to influencing the undifferentiated phenotype of ES cells.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of OCT-3/4.
Purification	Polyclonal antibody was purified by Protein A affinity chromatography.

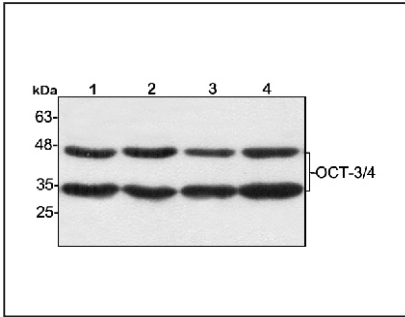
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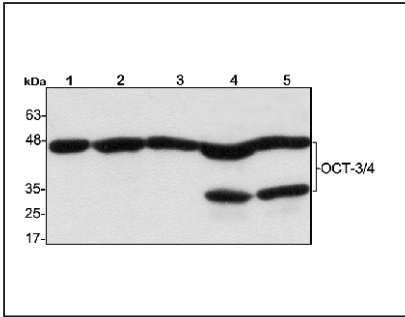
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Product Images



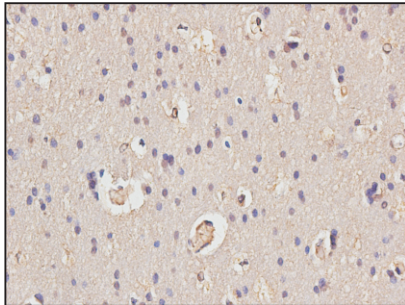
Western blot-Anti-OCT-3/4 pAb

Lane 1: Human HepG2 cell lysate  
Lane 2: Human Hela cell lysate  
Lane 3: Human BGC-823 cell lysate  
Lane 4: Human MGC-803 cell lysate  
All lanes: Anti-OCT-3/4 at 1:1000 dilution  
Lysates/proteins at 20-50 µg per lane.  
Predicted band size: 38 kDa  
Observed band size: 38,45 kDa



Western blot-Anti-OCT-3/4 pAb

Lane 1: Mouse kidney tissue lysate  
Lane 2: Mouse liver tissue lysate  
Lane 3: Rat spleen tissue lysate  
Lane 4: Rat stomach tissue lysate  
Lane 5: Rat kidney tissue lysate  
All lanes: Anti-OCT-3/4 at 1:1000 dilution  
Lysates/proteins at 20-50 µg per lane.  
Predicted band size: 38 kDa  
Observed band size: 38,45 kDa



Immunohistochemistry-Anti-OCT-3/4 pAb

Immunohistochemical analysis of paraffin-embedded human glioma using anti-OCT-3/4 Rabbit Antibody at 1:150 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

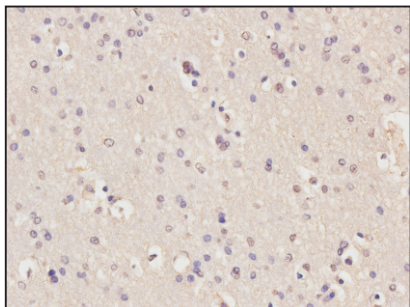
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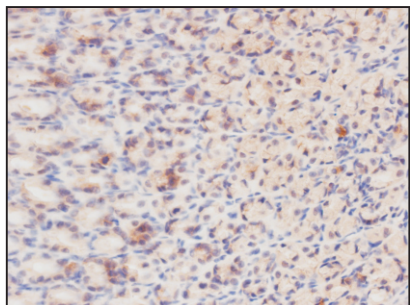
### Product Information



#### Immunohistochemistry-Anti-OCT-3/4 pAb

Immunohistochemical analysis of paraffin-embedded human glioma using anti-OCT-3/4 Rabbit Antibody at 1:300 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



#### Immunohistochemistry-Anti-OCT-3/4 pAb

Immunohistochemical analysis of paraffin-embedded rat stomach using anti-OCT-3/4 Rabbit Antibody at 1:300 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0